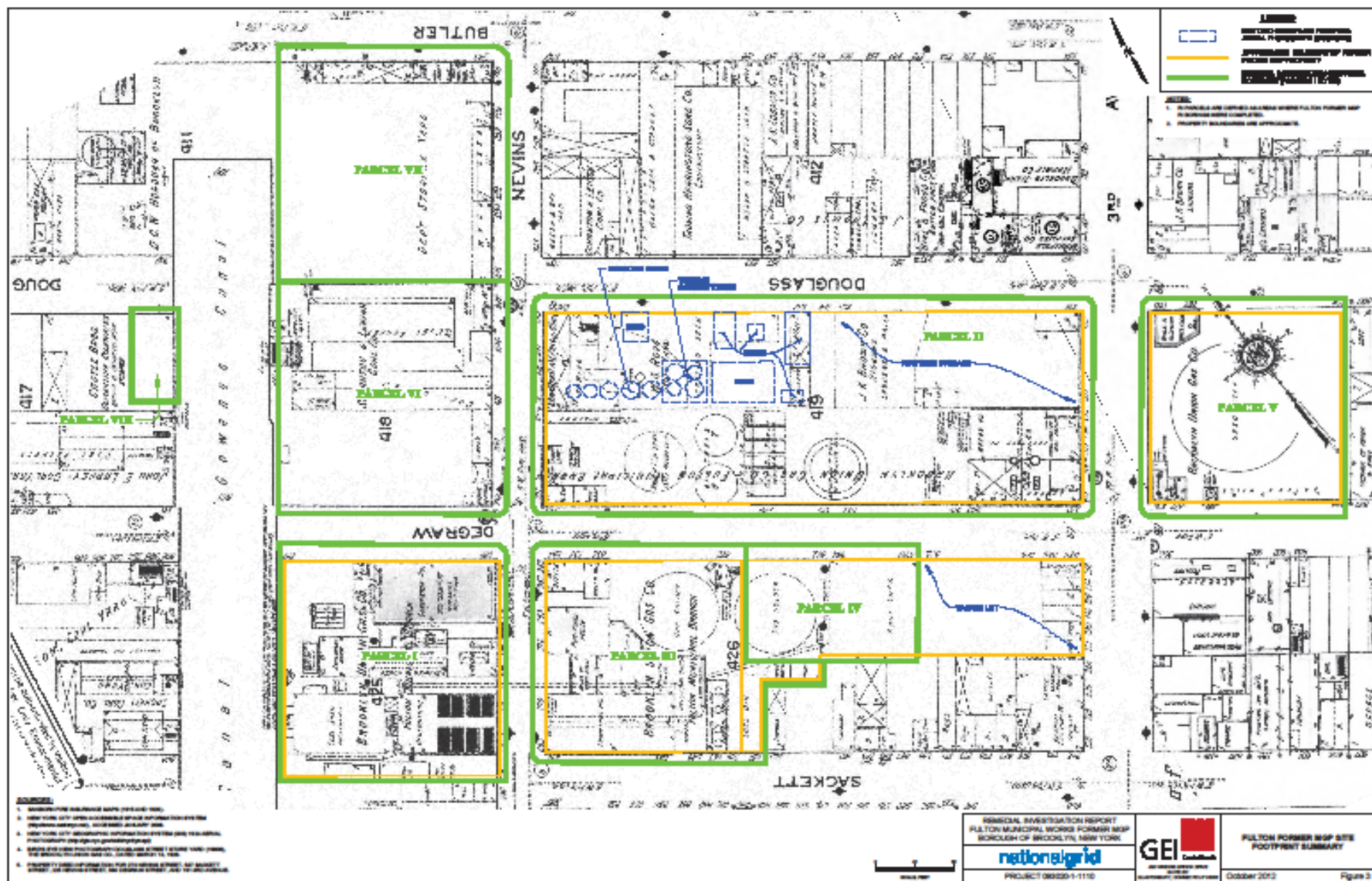


Gowanus Canal Proposed Plan  
Question/Answer Sessions  
Community Advisory Group Meeting  
February 11, 2013  
Red Hook Meeting  
February 13, 2013

# Fulton Former Manufactured Gas Plant (MGP) 1879-1929



19807. Douglass Street Store Yard.

Birds eye view.

Mar.13,1928.







THIS REPORT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC).

DATE: 10/20/2012

PROJECT: 00000-0-1110



REMEDIAL INVESTIGATION REPORT  
FULTON MUNICIPAL WORKS FORMER MGP  
BROOKLYN, NEW YORK  
**nationalgrid**  
PROJECT 00000-0-1110



CONCEPTUAL RI  
BARRIER WALL LAYOUT

October 2012

Figure 1

# First and Fifth Street Basins

# Core from 1<sup>st</sup> Street Basin





# Former Fifth Street Basin



© 2013 Google

Gray Buildings © 2008 Sanborn

Google earth

Imagery Date: 6/17/2010 1978

40°40'24.88" N 73°59'14.91" W elev 21 ft

Eye alt 1086 ft



5th Street Basin - filled between 1953-1964.  
(Looking east from Canal below 3<sup>rd</sup> Ave. Bridge  
towards 4th Avenue.)



# Dewatering/Barge Facility

# Enclosed Work Structures





# Sediment Filter Press



JUL 14 2004

# Water Treatment System



# Stabilization of Sediment Using Concrete-like Materials for Cap Beneath Canal



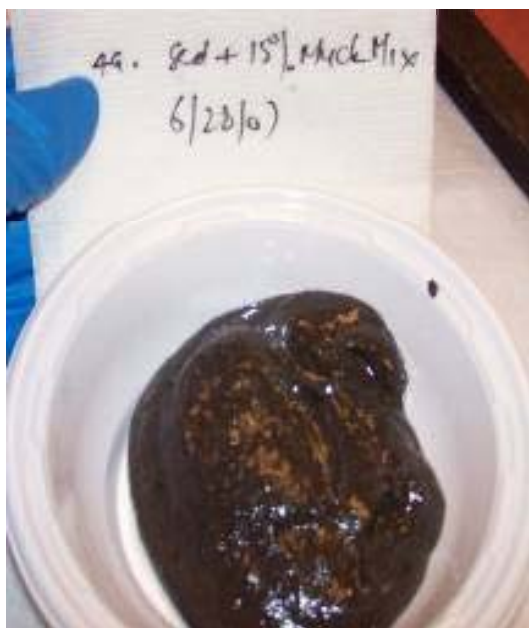
# Laboratory Testing of Process Application



Untreated Sample in the Field



Sample Collection



Sample  
Characterization



Treated Sediment  
Sample



## Gowanus Sediment Samples Collected for Laboratory Testing





## Laboratory Testing for Gowanus - Mixing



Sediment sample collected from canal and mixed



Cement agents and adsorbents mixed into a slurry



Cement agents and adsorbents mixed with sediment



## Laboratory Testing for Gowanus - Untreated and Treated Sediment Material

Untreated sediment  
being mixed



Stabilized sediment material



Examples of Stabilization Techniques  
for the Least Contaminated  
Sediments using Concrete-like  
Materials  
and Potential Confined Disposal  
(CDF) Facility Configurations,  
In the Event of Public and Regulatory  
Acceptance



## Stabilization Example-Sediment Drying Bed





## Stabilization Example-Sediment Drying Bed Top View





# Conceptual Diagram of Potential CDF



ES080211052107KNV





Conceptual Diagram  
of Potential CDF



# Examples of CSO Storage Tanks During and After Construction

## Bangor, ME – Kenduskeag East Tank



Source: City of Bangor



## Cincinnati: Muddy-Westbourne CSO No. 198



Source: CH2M HILL



# Toronto - Old Sheppard Storm Storage Tank



Source: CH2M HILL

## Toronto - Old Sheppard Storm Storage Tank -contd



Source: CH2M HILL